



# Kabir Barnett

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## SUMMARY

Dedicated Senior Lead Software Engineer with over 6 years in DevOps Engineering, actively contributing to cloud-native technology solutions. Passionate about mentoring teams while leading diverse projects integrating machine learning and microservices architecture, driving regulatory compliance, and operational efficiency. Well-versed in AWS and Azure technologies, coding in Python, Java, and Go. Emphasis on innovation through collaboration, pushing for cutting-edge advancements in engineering practices. Known for fostering environments where team members are encouraged to explore new technologies which strengthens development processes.

## EXPERIENCE

### Senior Lead Software Engineer

January 2023 - Present

Tech Innovations Inc.

*Arlington, VA*

Leading a strong team of developers post-transitioning existing frameworks to enhance economic sustainment by adopting multifaceted cloud-based solutions tailored for customer needs and optimizing operational outputs consistent with standards. Overseeing the implementation of innovative models aligning organizational goals with growth objectives.

- Spearheaded initiatives improving service quality which catered to compliance demands observed across several sectors.
- Cultivated collaborative partnership between engineering segments and product management ensuring that solution design aligned seamlessly with user experience strategies.
- Drove technology evaluation and selection through rigorous benchmarking against industry standards to achieve performance excellence.
- Stimulated idea-sharing sessions that ignited the adoption of AI techniques centered around enhancing response times and cost efficiencies.
- Maintained oversight on using Docker and Kubernetes for container management, effectively helping to streamline deployment cycles.
- Established successful CI/CD workflows employing Jenkins to ensure rapid integration while maintaining quality in software delivery.

### DevOps Engineer

June 2019 - December 2022

Cloud Solutions Corp.

*Arlington, VA*

Management of AWS and Azure infrastructures supporting extensive client communications while utilizing best practice methodologies focused on reducing downtime across applications. Simplified internal processes to provide a better client experience with system monitoring components in place.

- Automated infrastructure management tasks that fostered significant drops in resource allocation confusion resulting in improved productivity.
- Generated novel monitoring systems that provided transparent communication on application health, significantly heightening service-adjustment reactivity.
- Partnered with project teams on incorporating Agile principles within traditional workflows middleware engagement boosting responsiveness.
- Initiated configuration consistency through Ansible which greatly decreased potential fallout from environment setups across various deployments.
- Facilitated training sessions enriching junior engineers with concrete insights into leveraging cloud services aligning discrete lessons learned through practical interactions.
- Contributed to the enforcement of Agile timelines governing structured outcome expectations fostering trust within project deliverables.

### Systems Administrator

May 2016 - May 2019

Innovate Tech Solutions

*Arlington, VA*

Oversaw Unix/Linux systems operations sustaining high-performance thresholds while guaranteeing security for clustered server networks, creating proactive data disaster prevention strategies. Scripted preventive measures reinforcing optimal functioning in line with evolving technological landscapes.

- Developed critical documentation fostering knowledge accessibility among team leaders and assisting smoother transitions during onboarding cycles.
- Led troubleshooting efforts that repaired system shortfalls while yielding concrete comprehension among users translating technical issues into navigable outcomes.
- Enhanced uptime to above-industry standards through active system resilience planning focusing on adapting in real-time to identified weaknesses.
- Worked cross-functionally paving paths for synchronized efforts with developers absorbing feedback loops designed for positive organizational momentum.
- Implemented hands-on workshops contributing foundational learning experiences on UNIX systems and administration ethics.

- Executed continuous improvements in routine operational terms frequently leading review sessions that raised overall performance objectives.

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## LEADERSHIP & AWARDS

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- Recognized for Outstanding Performance in Technology Implementation at Tech Innovations Inc.
- Awarded Employee of the Year at Cloud Solutions Corp. for Excellence in Service Delivery

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## EDUCATION

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**Bachelor of Science in Computer Science**

2016

George Mason University GPA: 3.8

Fairfax, VA

*Coursework: Data Structures, Operating Systems, Cloud Computing, Database Management*

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## CERTIFICATIONS

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- AWS Certified Solutions Architect – Associate 📅 2026
- Certified Kubernetes Administrator 📅 2026

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## TECHNICAL SKILLS

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- **Cloud Platforms:** Amazon Web Services, Microsoft Azure, Google Cloud Platform
- **Programming Languages:** Python, Java, SQL, Ruby, Go
- **Container Orchestration:** Docker, Kubernetes
- **Configuration Management Tools:** Ansible, Terraform
- **Monitoring Tools:** Splunk, Zabbix
- **Continuous Integration/Delivery:** Jenkins, GitHub Actions
- **Operating Systems:** Linux, UNIX
- **Development Practices:** Agile, Scrum
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Networking Concepts:** TCP/IP, DNS, Load Balancing

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## SKILLS

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- DevOps Engineering
- Cloud Technologies
- Unix/Linux Administration
- Machine Learning
- Container Orchestration
- CI/CD Pipelines
- Configuration Management
- Agile Methodologies
- Programming (Java, Python, Go)
- Team Leadership

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## PROFESSIONAL AFFILIATIONS

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- Member of the DevOps Community Network
- Active participant in Cloud Engineering Mentorship Program

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## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

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## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

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## REFERENCES

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AVAILABLE ON REQUEST